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(54) INK JET RECORDING PAPER

(57)Abstract:

PURPOSE: To make on-machine coating possible by applying an ink accepting layer consisting of an amorphous silica as a pigment and alumina sol as an inorganic binder. CONSTITUTION: A coating liquid is prepared by blending an amorphous silica as a pigment and alumina sol as an inorganic binder into an organic binder. This coating liquid is applied on a support to form an ink-accepting layer. In this way, an ink jet recording paper is manufactured. The dosage of amorphous silica is about 0.80W11.0g/m² to the solid content of paint, preferably about 2.20W6.00g/m². Alumina sol is an alumina hydrate with a colloidal size of about 5W200nm, and anions in water dispersed by polymer particles as a stabilizer. The dosage of alumina sol should preferably be about 0.10W0.30g/m² for the solid content of paint.

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